

## **CMS ELECTRONIC HEALTH RECORD (EHR) INCENTIVE PROGRAM ELIGIBLE HOSPITALS PUBLIC USE FILE (PUF) DATA DICTIONARY AND CODEBOOK**

This is a provider-level file with the following variables. See the General Documentation for an overview of file contents, data source, and analytic utility.

### **NPI**

This variable indicates the National Provider Identifier (NPI) for the EH.

### **Program Year**

This variable contains the year of attestation to the Medicare EHR Program.

### **Payment Year**

This variable contains the number of year of attestation to the Medicare EHR Program.

### **Attestation Success Date**

This variable contains the full date of successful attestation to the Medicare EHR Program.

### **CCN**

This variable contains the CMS Certification Number (CCN) for the EH.

### **CM1**

Measure Name:	Core Measure 1
Objective Title:	CPOE for Medication Orders
Objective Description:	Use computerized provider order entry (CPOE) for medication orders directly entered by any licensed healthcare professional who can enter orders into the medical record per state, local and professional guidelines.
Measure Description:	More than 30 percent of all unique patients with at least one medication in their medication list admitted to the EHs or CAHs inpatient or emergency department (POS 21 or 23) have at least one medication order entered using CPOE.
Numerator Description:	The number of patients in the denominator that have at least one medication order entered using CPOE.
Denominator Description	The number of unique patients with at least one medication in their medication list admitted to the EHs or CAHs inpatient or emergency department during the EHR reporting period.

These variables provide the numerator, denominator, and percentage, calculated by the numerator and denominator provided by the EH for CM1.

## CM2

Measure Name:	Core Measure 2
Objective Title:	Drug Interaction Check
Objective Description:	Implement drug-drug and drug-allergy interaction checks
Measure Description:	The EH or CAH has enabled this functionality for the entire EHR reporting period.
Numerator Description:	—
Denominator Description	—

This variable provides the response (Yes/No) provided by the EH for CM2.

## CM3

Measure Name:	Core Measure 3
Objective Title:	Maintain Problem List
Objective Description:	Maintain an up-to-date problem list of current and active diagnoses.
Measure Description:	More than 80 percent of all unique patients admitted to the EHs or CAHs inpatient or emergency department (POS 21 or 23) have at least one entry or an indication that no problems are known for the patient recorded as structured data.
Numerator Description:	Number of patients in the denominator who have at least one entry or an indication that no problems are known for the patient recorded as structured data in their problem list.
Denominator Description	Number of unique patients admitted to an EHs or CAHs inpatient or emergency department (POS 21 or 23) during the EHR reporting period.

These variables provide the numerator, denominator, and percentage, calculated by the numerator and denominator provided by the EH for CM3.

## CM4

Measure Name:	Core Measure 4
Objective Title:	Active Medication List
Objective Description:	Maintain active medication list.
Measure Description:	More than 80 percent of all unique patients admitted to the EHs or CAHs inpatient or emergency department (POS 21 or 23) have at least one entry (or an indication that the patient is not currently prescribed any medication) recorded as structured data.
Numerator Description:	Number of patients in the denominator who have a medication (or an indication that the patient is not currently prescribed any medication) recorded as structured data.
Denominator Description	Number of unique patients admitted to the EHs or CAHs inpatient or emergency department (POS 21 or 23) during the EHR reporting period.

These variables provide the numerator, denominator, and percentage, calculated by the numerator and denominator provided by the EH for CM4.

## **CM5**

Measure Name:	Core Measure 5
Objective Title:	Medication Allergy List
Objective Description:	Maintain active medication allergy list.
Measure Description:	More than 80 percent of all unique patients admitted to the EHs or CAHs inpatient or emergency department (POS 21 or 23) have at least one entry (or an indication that the patient has no known medication allergies) recorded as structured data.
Numerator Description:	Number of unique patients in the denominator who have at least one entry (or an indication that the patient has no known medication allergies) recorded as structured data in their medication allergy list.
Denominator Description	Number of unique patients admitted to the EHs or CAHs inpatient or emergency department (POS 21 or 23) during the EHR reporting period.

These variables provide the numerator, denominator, and percentage, calculated by the numerator and denominator provided by the EH for CM5.

## **CM6**

Measure Name:	Core Measure 6
Objective Title:	Record Demographics
Objective Description:	Record all of the following demographics: Preferred language, Gender, Race, Ethnicity, Date of birth
Measure Description:	More than 50 percent of all unique patients admitted to the EHs or CAHs inpatient or emergency department (POS 21 or 23) have demographics recorded as structured data.
Numerator Description:	Number of patients in the denominator who have all the elements of demographics (or a specific exclusion if the patient declined to provide one or more elements or if recording an element is contrary to state law) recorded as structured data.
Denominator Description	Number of unique patients admitted to the EHs or CAHs inpatient or emergency department (POS 21 or 23) during the EHR reporting period.

These variables provide the numerator, denominator, and percentage, calculated by the numerator and denominator provided by the EH for CM6.

## **CM7**

Measure Name:	Core Measure 7
Objective Title:	Record Vital Signs
Objective Description:	Record and chart changes in vital signs: Height, Weight, Blood pressure, Calculate and display body mass index (BMI), Plot and display growth charts for children 2-20 years, including BMI.

Measure Description:	For more than 50 percent of all unique patients age 2 and over admitted to the EHs or CAHs inpatient or emergency department (POS 21 or 23), height, weight, and blood pressure are recorded as structured data.
Numerator Description:	Number of patients in the denominator who have at least one entry of their height, weight and blood pressure are recorded as structured data.
Denominator Description	Number of unique patients age 2 or over admitted to the EHs or CAHs inpatient or emergency department (POS 21 or 23) during the EHR reporting period.

These variables provide the numerator, denominator, and percentage, calculated by the numerator and denominator provided by the EH for CM7.

## CM8

Measure Name:	Core Measure 8
Objective Title:	Record Smoking Status
Objective Description:	Record smoking status for patients 13 years old or older.
Measure Description:	More than 50 percent of all unique patients 13 years old or older or admitted to the EHs inpatient or emergency department (POS 21 or 23) have smoking status recorded as structured data.
Numerator Description:	Number of patients in the denominator with smoking status recorded as structured data.
Denominator Description	Number of unique patients age 13 or older admitted to the EHs inpatient or emergency department (POS 21 or 23) during the EHR reporting period.

These variables provide the numerator, denominator, and percentage, calculated by the numerator and denominator provided by the EH for CM8.

## CM8 Exclusions

Measure Name:	Core Measure 8
Objective Title:	Record Smoking Status
Exclusion Description/ Criteria:	Any EH or CAH that admits no patients 13 years or older to their inpatient or emergency department (POS 21 or 23).

This variable provides the response (Yes/No) of whether an exclusion was used by the EH for CM8.

## CM9

Measure Name:	Core Measure 9
Objective Title:	Clinical Quality Measures
Objective Description:	Report ambulatory clinical quality measures to CMS.
Measure Description:	Successfully report to CMS hospital clinical quality measures selected by CMS in the manner specified by CMS.
Numerator Description:	—
Denominator Description	—

This variable provides the response (Yes/No) provided by the EH for CM9. This is no longer a reportable measure.

### **CM10**

Measure Name:	Core Measure 10
Objective Title:	Clinical Decision Support Rule
Objective Description:	Implement one clinical decision support rule relevant to specialty or high clinical priority along with the ability to track compliance with that rule.
Measure Description:	Implement one clinical decision support rule.
Numerator Description:	—
Denominator Description	—

This variable provides the response (Yes/No) provided by the EH for CM10.

### **CM11**

Measure Name:	Core Measure 11
Objective Title:	Electronic Copy of Health Information
Objective Description:	Provide patients with an electronic copy of their health information (including diagnostic test results, problem list, medication lists, medication allergies), upon request.
Measure Description:	More than 50 percent of all patients of the inpatient or emergency departments of the EH or CAH (POS 21 or 23) who request an electronic copy of their health information are provided it within 3 business days.
Numerator Description:	Number of patients in the denominator who receive an electronic copy of their electronic health information within three business days.
Denominator Description	Number of patients of the EH or CAH who request an electronic copy of their electronic health information four business days prior to the end of the EHR reporting period.

These variables provide the numerator, denominator, and percentage, calculated by the numerator and denominator provided by the EH for CM11.

### **CM11 Exclusions**

Measure Name:	Core Measure 11
Objective Title:	Electronic Copy of Health Information
Exclusion Description/ Criteria:	Any EH or CAH that has no requests from patients or their agents for an electronic copy of patient health information during the EHR reporting period.

This variable provides the response (Yes/No) of whether an exclusion was used by the EH for CM11.

### **CM12**

Measure Name:	Core Measure 12
---------------	-----------------

Objective Title:	Electronic Copy of Discharge Instructions
Objective Description:	Provide patients with an electronic copy of their discharge instructions at time of discharge, upon request.
Measure Description:	More than 50 percent of all patients who are discharged from an EH or CAHs inpatient or emergency department (POS 21 or 23) and who request an electronic copy of their discharge instructions are provided it.
Numerator Description:	Number of office visits in the denominator for which a clinical summary of is provided within three business days.
Denominator Description	Number of patients discharged from an EHs or CAHs inpatient or emergency department (POS 21 or 23) who request an electronic copy of their discharge instructions during the EHR reporting period.

These variables provide the numerator, denominator, and percentage, calculated by the numerator and denominator provided by the EH for CM12.

### **CM12 Exclusions**

Measure Name:	Core Measure 12
Objective Title:	Electronic Copy of Discharge Instructions
Exclusion Description/ Criteria:	Any EH or CAH that has no requests from patients or their agents for an electronic copy of the discharge instructions during the EHR reporting period.

This variable provides the response (Yes/No) of whether an exclusion was used by the EH for CM12.

### **CM13**

Measure Name:	Core Measure 13
Objective Title:	Electronic Exchange of Clinical Information
Objective Description:	Capability to exchange key clinical information (for example, problem list, medication list, allergies, diagnostic test results), among providers of care and patient authorized entities electronically.
Measure Description:	Performed at least one test of certified EHR technology's capacity to electronically exchange key clinical information.
Numerator Description:	—
Denominator Description	—

This variable provides the response (Yes/No) provided by the EH for CM13. This is no longer a reportable measure.

### **CM14**

Measure Name:	Core Measure 14
Objective Title:	Protect Electronic Health Information
Objective Description:	Protect electronic health information created or maintained by the certified EHR technology through the implementation of appropriate technical capabilities.

Measure Description: Conduct or review a security risk analysis in accordance with the requirements under 45 CFR 164.308(a)(1) and implement security updates as necessary and correct identified security deficiencies as part of its risk management process.

Numerator Description: —

Denominator Description: —

This variable provides the response (Yes/No) provided by the EH for CM14.

### **MM1**

Measure Name: Menu Measure 1

Objective Title: Drug Formulary Checks

Objective Description: Implement drug formulary checks

Measure Description: The EH or CAH has enabled this functionality and has access to at least one internal or external formulary for the entire EHR reporting period.

Numerator Description: —

Denominator Description: —

This variable provides the response (Yes/No) provided by the EH for MM1.

### **MM2**

Measure Name: Menu Measure 2

Objective Title: Advance Directives

Objective Description: Record advance directives for patient 65 years old or older.

Measure Description: More than 50 percent of all unique patients 65 years old or older admitted to the EHs or CAHs inpatient (POS 21) have an indication of an advance directive status recorded as structured data.

Numerator Description: Number of lab test results whose results are expressed in a positive or negative affirmation or as a number which are incorporated as structured data.

Denominator Description: Number of patients in the denominator with an indication of an advanced directive entered using structured data.

These variables provide the numerator, denominator, and percentage, calculated by the numerator and denominator provided by the EH for MM2.

### **MM2 Exclusions**

Measure Name: Menu Measure 2

Objective Title: Advance Directives

Exclusion Description/  
Criteria: An EH or CAH that admits no patients age 65 years old or older during the EHR reporting period.

This variable provides the response (Yes/No) of whether an exclusion was used by the EH for MM2.

### MM3

Measure Name:	Menu Measure 3
Objective Title:	Clinical Lab Test Results
Objective Description:	Incorporate clinical lab test results into EHR as structured data.
Measure Description:	More than 40 percent of all clinical lab test results ordered by an authorized provider of the EH or CAH for patients admitted to its inpatient or emergency department (POS 21 and 23) during the EHR reporting period whose results are either in a positive/negative or numerical format are incorporated in certified EHR technology as structured data.
Numerator Description:	Number of lab test results whose results are expressed in a positive or negative affirmation or as a number which are incorporated as structured data.
Denominator Description	Number of lab tests ordered during the EHR reporting period by authorized providers of the EH or CAH for patients admitted to an EHs or CAHs inpatient or emergency department (POS 21 and 23) whose results are expressed in a positive or negative affirmation or as a number.

These variables provide the numerator, denominator, and percentage, calculated by the numerator and denominator provided by the EH for MM3.

### MM4

Measure Name:	Menu Measure 4
Objective Title:	Patient Lists
Objective Description:	Generate lists of patients by specific conditions to use for quality improvement, reduction of disparities, research, or outreach.
Measure Description:	Generate at least one report listing patients of the EH or CAH with a specific condition.
Numerator Description:	—
Denominator Description	—

This variable provides the response (Yes/No) of whether an exclusion was used by the EH for MM4.

### MM5

Measure Name:	Menu Measure 5
Objective Title:	Patient- specific Education Resources
Objective Description:	Use certified EHR technology to identify patient-specific education resources and provide those resources to the patient if appropriate.
Measure Description:	More than 10 percent of all unique patients admitted to the EHs or CAHs inpatient or emergency department (POS 21 or 23) are provided patient-specific education resources.



Numerator Description:	Number of patients in the denominator who are provided patient education specific resources.
Denominator Description	Number of unique patients admitted to the EHs or CAHs inpatient or emergency department (POS 21 or 23) during the EHR reporting period.

These variables provide the numerator, denominator, and percentage, calculated by the numerator and denominator provided by the EH for MM5.

## **MM6**

Measure Name:	Menu Measure 6
Objective Title:	Medication Reconciliation
Objective Description:	The EH or CAH who receives a patient from another setting of care or provider of care or believes an encounter is relevant should perform medication reconciliation.
Measure Description:	The EH or CAH performs medication reconciliation for more than 50 percent of transitions of care in which the patient is admitted to the EHs or CAHs inpatient or emergency department (POS 21 or 23).
Numerator Description:	Number of transitions of care in the denominator where medication reconciliation was performed.
Denominator Description	Number of transitions of care during the EHR reporting period for which the EHs or CAHs inpatient or emergency department (POS 21 to 23) was the receiving party of the transition.

These variables provide the numerator, denominator, and percentage, calculated by the numerator and denominator provided by the EH for MM6.

## **MM7**

Measure Name:	Menu Measure 7
Objective Title:	Transition of Care Summary
Objective Description:	The EH or CAH who transitions their patient to another setting of care or provider of care or refers their patient to another provider of care should provide summary of care record for each transition of care or referral.
Measure Description:	The EH or CAH that transitions or refers their patient to another setting of care or provider of care provides a summary of care record for more than 50 percent of transitions of care and referrals.
Numerator Description:	Number of transitions of care and referrals in the denominator where a summary of care record was provided.
Denominator Description	Number of transitions of care and referrals during the EHR reporting period for which the EHs or CAHs inpatient or emergency department (POS 21 to 23) was the transferring or referring provider.

These variables provide the numerator, denominator, and percentage, calculated by the numerator and denominator provided by the EH for MM7.

## **MM8**

Measure Name:	Menu Measure 8
Objective Title:	Immunization Registries Data Submission
Objective Description:	Capability to submit electronic data to immunization registries or immunization information systems and actual submission in accordance with applicable law and practice.
Measure Description:	Performed at least one test of certified EHR technology's capacity to submit electronic data to immunization registries and follow up submission if the test is successful(unless none of the immunization registries to which the EH or CAH submits such information has the capacity to receive the information electronically), except where prohibited.
Numerator Description:	—
Denominator Description	—

This variable provides the response (Yes/No) provided by the EH for MM8.

## **MM8 Exclusions**

Measure Name:	Menu Measure 8
Objective Title:	Immunization Registries Data Submission
Exclusion Description/ Criteria:	An EH or CAH that administers no immunizations during the EHR reporting period, where no immunization registry has the capacity to receive the information electronically, or where it is prohibited.

This variable provides the response (Yes/No) of whether an exclusion was used by the EH for MM8.

## **MM9**

Measure Name:	Menu Measure 9
Objective Title:	Reportable Lab Results to Public Health Agencies
Objective Description:	Capability to submit electronic data on reportable (as required by State or local law) lab results to public health agencies and actual submission according to applicable law and practice.
Measure Description:	Performed at least one test of certified EHR technology's capacity to provide electronic submission of reportable lab results to public health agencies and follow-up submission if the test is successful (unless none of the public health agencies to which an EH or CAH submits such information has the capacity to receive the information electronically), except where prohibited.
Numerator Description:	—
Denominator Description	—

This variable provides the response (Yes/No) provided by the EH for MM9.

## **MM9 Exclusions**

Measure Name:	Menu Measure 9
Objective Title:	Reportable Lab Results to Public Health Agencies
Exclusion Description/ Criteria:	No public health agency to which the EH or CAH submits such information has the capacity to receive the information electronically, or where it is prohibited.

This variable provides the response (Yes/No) of whether an exclusion was used by the EH for MM9.

## **MM10**

Measure Name:	Menu Measure 10
Objective Title:	Syndromic Surveillance Data Submission
Objective Description:	Capability to submit electronic syndromic surveillance data to public health agencies and actual submission in accordance with applicable law and practice.
Measure Description:	Performed at least one test of certified EHR technology's capacity to provide electronic syndromic surveillance data to public health agencies and follow-up submission if the test is successful (unless none of the public health agencies to which an EH or CAH submits such information has the capacity to receive the information electronically), except where prohibited.
Numerator Description:	—
Denominator Description	—

This variable provides the response (Yes/No) provided by the EH for MM 10.

## **MM10 Exclusions**

Measure Name:	Menu Measure 10
Objective Title:	Syndromic Surveillance Data Submission
Exclusion Description/ Criteria:	No public health agency to which the EH or CAH submits such information has the capacity to receive the information electronically, or where it is prohibited.

This variable provides the response (Yes/No) of whether an exclusion was used by the EH for MM10.

## **EHR Certification Number**

This variable contains the EHR Certification Number of the EH to the Medicare EHR Program.